

Date: Friday, 12/06/2009 9:59:19 AM  
 User: Julie Dawson

## Process Sheet

<b>Customer</b> : CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> : DOUBLER ASSEMBLY
<b>Job Number</b> : 48565B	
<b>Estimate Number</b> : 10294	
<b>P.O. Number</b> :	<b>Part Number</b> : D3220041
<b>This Issue</b> : 12/06/2009 <b>S.O. No.</b> :	<b>Drawing Number</b> : D3220 REV A1
<b>Prsht Rev.</b> : NC	<b>Project Number</b> : N/A
<b>First Issue</b> : / / <b>Type</b> : MACHINED PARTS	<b>Drawing Revision</b> : A1
<b>Previous Run</b> : 47442B	<b>Material</b> :
<b>Written By</b> :	<b>Due Date</b> : 23/06/2009 <b>Qty:</b> 4 <b>Um:</b> Each
<b>Checked &amp; Approved By</b> : <u>JULIE DAWSON</u>	
<b>Comment</b> : Est Rev:A New Issue 05-11-06 JLM Est: B 06.11.15 waterjet EC	

## Additional Product

Job Number:



<b>Seq. #:</b>	<b>Machine Or Operation:</b>	<b>Description :</b>
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1.0	M2024T3S050	2024-T3 .050 sheet
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**Comment:** Qty.: 0.7266 sf(s)/Unit Total : 2.9064 sf(s)  
 Material: 2024-T3 (QQ-A-250/4) 0.050" thick  
 (M2024T3S.050  
 Identify for D3220-1  
 Batch: 111381 B9-6-23

2.0	WATER JET	FLOW WATER JET
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**Comment:** FLOW WATER JET  
 1-Cut D3220-1 as per Dwg D3220  
 Dwg Rev: A1 B9-6-23  
 Prog Rev: A1

(6)

2-Deburr if necessary B9-6-23

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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**Comment:** INSPECT PARTS AS THEY COME OFF MACHINE

4.0	QC8	SECOND CHECK
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**Comment:** SECOND CHECK

5 07/06/23

(+6)

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
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**Comment:** SMALL & MEDIUM FAB RESOURCE 1

1-Deburr

u/a

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Friday, 12/06/2009 9:59:19 AM  
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## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DOUBLER ASSEMBLY

Job Number: 48565B

Part Number: D3220041

Job Number:



Seq. #:

Machine Or Operation:

Description :

2-C'sink D3220-1 as per Dwg D3220

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

7.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

9.0

MS20426AD3

RIVET



Comment: Qty.: 8.0000 Each(s)/Unit Total : 32.0000 Each(s)

Pick:

Qty Part Number

Description Batch

8 MS20426AD3

Rivet

~~1104374~~

M 7687

10.0

MS21059L4

Nutplate



Comment: Qty.: 4.0000 Each(s)/Unit Total : 16.0000 Each(s)

Pick:

Qty Part Number

Description Batch

4 MS21059L4

Nutplate

M 111578

11.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble D3220-041 doubler as per Dwg D3220

12.0

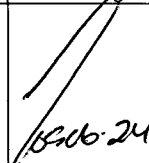
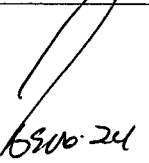
QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

Dart Aerospace Ltd

W/O: 48565B		EST: 10294 WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
09/01/24	9	MS 20426 AD-34 too long need MS 20426 AD-38 N 7681						

Part No: D3220-041 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 12/06/2009 9:59:19 AM  
User: Julie Dawson

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DOUBLER ASSEMBLY

Job Number: 48565B

Part Number: D3220041

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

PACKAGING 1

PACKAGING RESOURCE #1



62

Comment: PACKAGING RESOURCE #1

Identify and Stock  
Location: 176

9/6/24

SP

14.0

QC21

FINAL INSPECTION/W/O RELEASE



09/06/24 JF

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



plan MF  
09-06-24

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

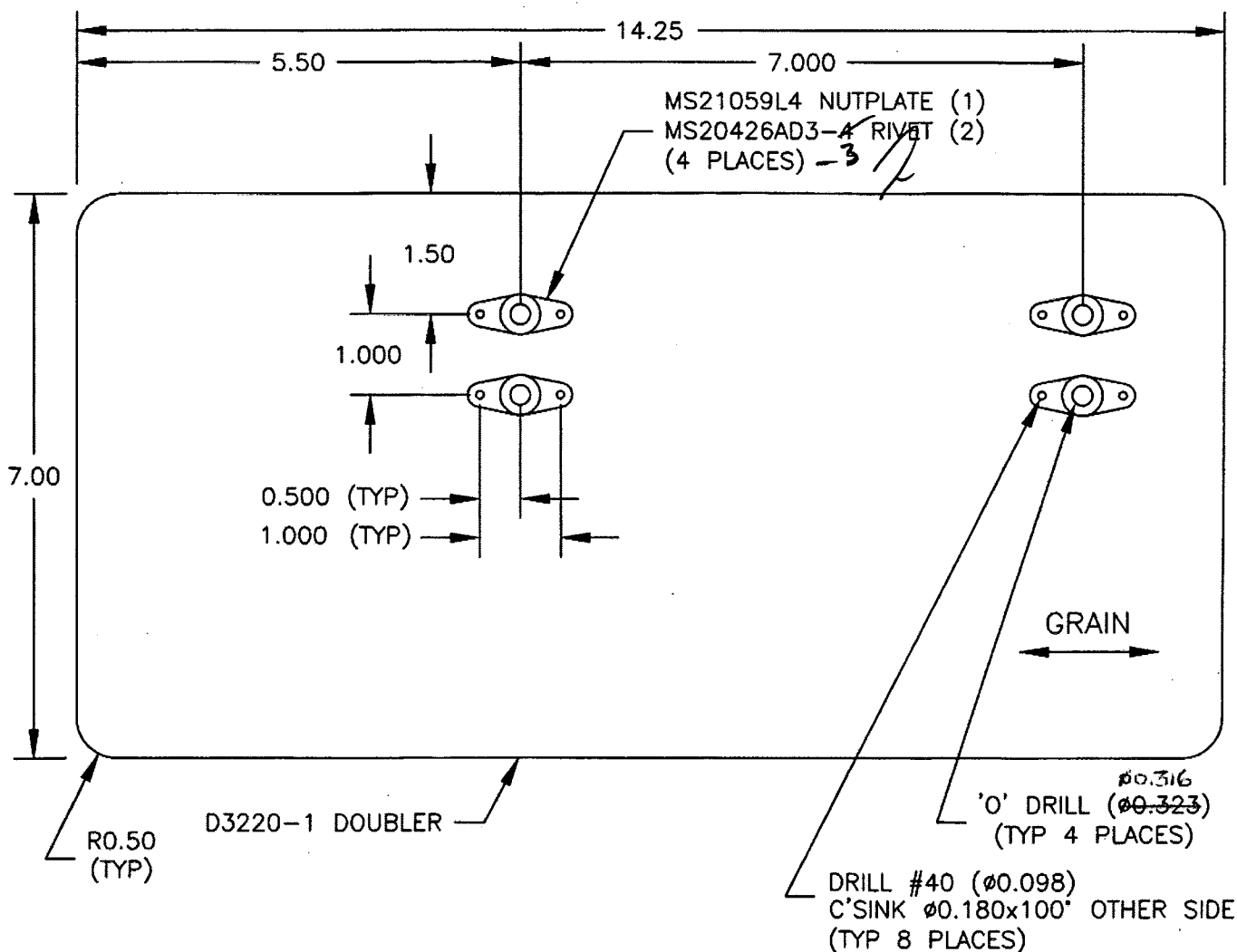
**NOTE:** Date & initial all entries



**DART**

DESIGN	<i>#</i>	DRAWN BY	<i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>#</i>	APPROVED	<i>#</i>	DRAWING NO. D3220	REV. A SHEET 1 OF 2
DATE	03.10.16			TITLE DOUBLER	SCALE 1:2
A	03.10.16			NEW ISSUE	
AI	<i>CP</i>	<i>#</i>	03.11.13	CORRECTED DIM	

RELEASED  
03.11.14



### D3220-041 (SHOWN) / -042 (OPPOSITE) DOUBLER ASSEMBLY (D3220-1 DOUBLER)

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.050 THICK  
(REF DART SPEC. M2024T3S.090)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

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WITHOUT NOTICE  
WORK ORDER  
NO. *48565B*

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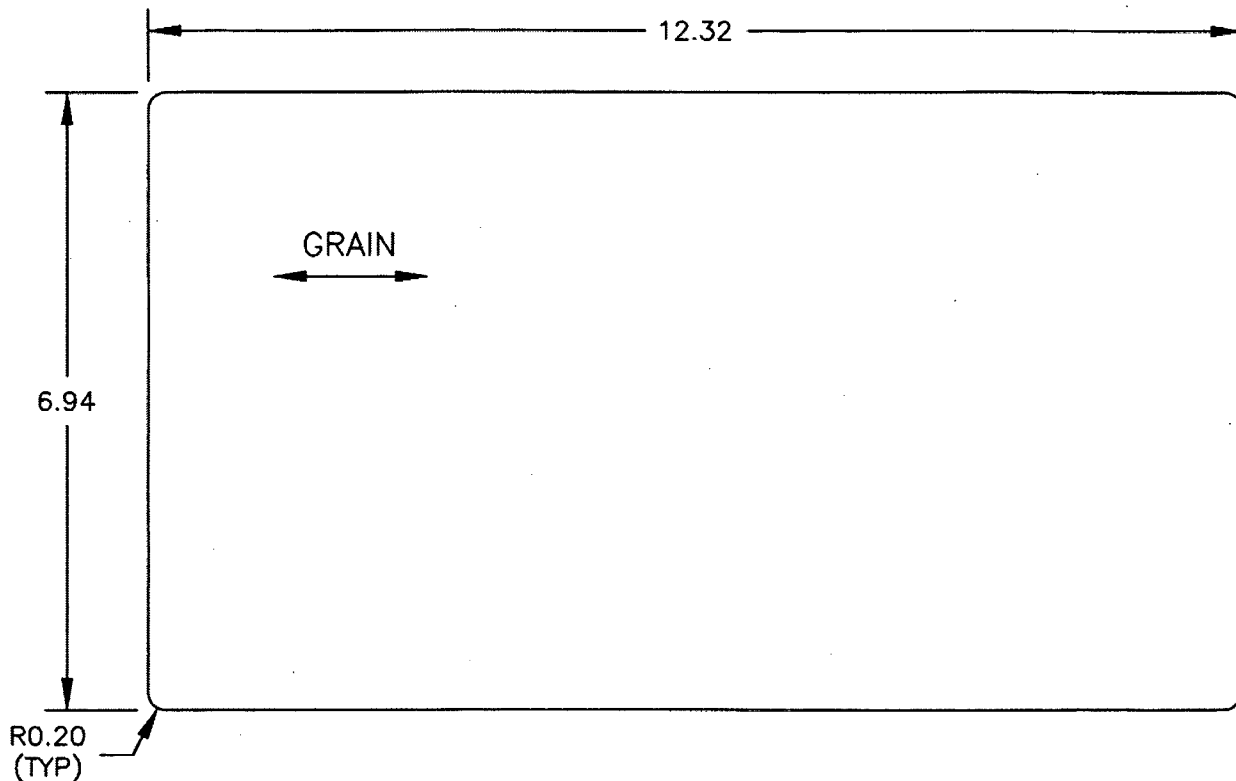
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DESIGN #	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3220	REV. A SHEET 2 OF 2
DATE 03.10.16		TITLE DOUBLER	SCALE 1:2

RELEASED  
03.11.14



**D3220-3 DOUBLER**

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.050 THICK  
(REF DART SPEC. M2024T3S.050)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

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